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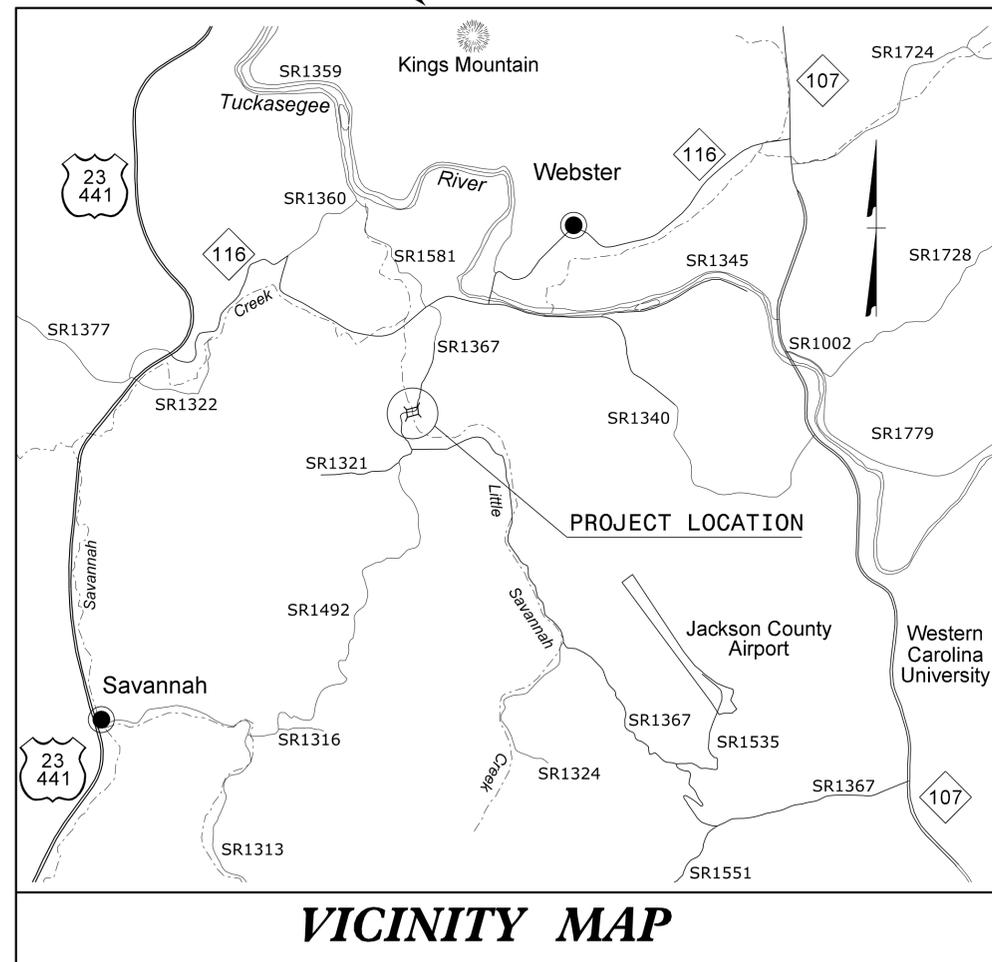
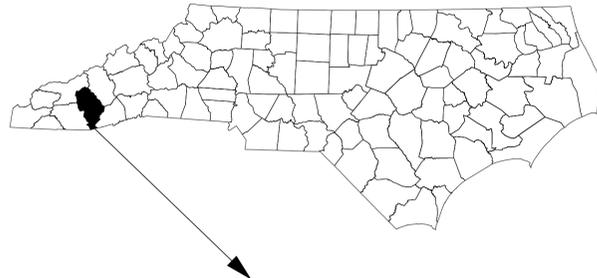
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STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN

JACKSON COUNTY



VICINITY MAP

INDEX OF SHEETS

SHEET NO.	TITLE
TMP-1	TITLE SHEET, VICINITY MAP, AND INDEX OF SHEETS
TMP-1A	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, LEGEND & PAVEMENT MARKING SCHEDULE
TMP-1B	MANAGEMENT STRATEGIES, GENERAL NOTES, AND PHASING
TMP-2	SPECIAL SIGN DESIGN
TMP-3	PHASE I DETAILS
TMP-4	PHASE II DETAILS
TMP-5	OFF-SITE DETOUR PLAN

SHEET NO.
TMP-1

B - 5 4 1 0

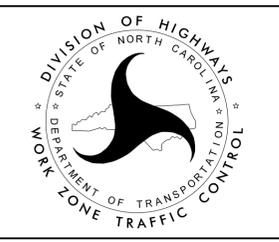
TIP PROJECT:

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N.C.D.O.T. WORK ZONE TRAFFIC CONTROL
1561 MAIL SERVICE CENTER (MSC) RALEIGH, NC 27699-1561
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APPROVED: *J. W. Woolard, Jr.*
DATE: 3/3/2016

SEAL
NORTH CAROLINA PROFESSIONAL SEAL 019862 ENGINEER J. W. WOOLARD, JR.

3/3/2016
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User:KBroadwell

ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS SHOWN IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2012 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

<u>STD. NO.</u>	<u>TITLE</u>
1101.01	WORK ZONE ADVANCE WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURES
1101.03	TEMPORARY ROAD CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1130.01	DRUM
1135.01	CONES
1145.01	BARRICADES
1150.01	FLAGGING DEVICES
1180.01	SKINNY-DRUM
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO-LANE AND MULTI-LANE ROADWAYS
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1251.01	RAISED PAVEMENT MARKERS - PERMANENT AND TEMPORARY
1261.01	GUARDRAIL AND BARRIER DELINEATORS - INSTALLATION SPACING
1261.02	GUARDRAIL AND BARRIER DELINEATORS - TYPES AND MOUNTING
1262.01	GUARDRAIL END DELINEATION

LEGEND

GENERAL

- DIRECTION OF TRAFFIC FLOW
- EXIST. PVMT.
- NORTH ARROW
- PROPOSED PVMT.

WORK AREA

REMOVAL

PAVEMENT MARKINGS

- EXISTING LINES
- TEMPORARY LINES

TRAFFIC CONTROL DEVICES

- BARRICADE (TYPE III)
- CONE
- DRUM SKINNY DRUM
- FLAGGER

TEMPORARY SIGNING

- PORTABLE SIGN
- STATIONARY SIGN
- STATIONARY OR PORTABLE SIGN

PAVEMENT MARKERS

- CRYSTAL/CRYSTAL
- CRYSTAL/RED
- YELLOW/YELLOW

TEMPORARY PAVEMENT MARKING SCHEDULE

MARKINGS

- 4" PAINT EDGELINE
- 4" PAINT DOUBLE YELLOW CENTERLINE

MARKERS

- YELLOW/YELLOW TEMPORARY RAISED

APPROVED: <small>079C18E8AD84427...</small>			ROADWAY STANDARD DRAWINGS, LEGEND & PAVEMENT MARKING SCHEDULE
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MANAGEMENT STRATEGIES

- THIS PROJECT WILL UTILIZE THE EXISTING ROADWAY AND BRIDGE TO CONSTRUCT MOST OF THE NEW ROADWAY AND BRIDGE AWAY FROM TRAFFIC ("ON-SITE DETOUR PROJECT"). FLAGGING WILL BE USED TO CONSTRUCT TIE-INS.
- AN OFF-SITE DETOUR WILL BE UTILIZED TO REPLACE AN EXISTING 60" DIAMETER PIPE. THIS WORK TO OCCUR USING AN INTERMEDIATE CONTRACT TIME WHICH WILL LIMIT THE ROAD CLOSURE TO 2 DAYS.

PHASING

PHASE I

- STEP 1: - INSTALL ADVANCE WORK ZONE WARNING SIGNS ALONG SR 1367 (LITTLE SAVANNAH ROAD) IN ACCORDANCE WITH ROADWAY STANDARD DRAWING NO. 1101.01 SHEET 3 OF 3.
- INSTALL OFF-SITE DETOUR SIGNING AND DEVICES NECESSARY TO CLOSE SR 1367 (LITTLE SAVANNAH ROAD) AS SHOWN ON SHEETS TMP-2, TMP-5 AND ROADWAY STANDARD DRAWING 1101.03 SHEET 1 OF 9. COVER SIGNS AND ROTATE TYPE III BARRICADES TO KEEP SR 1367 OPEN UNTIL READY TO REPLACE PIPE.

NOTE: STEPS 2 & 3 MAY BE PERFORMED SIMULTANEOUSLY.

WORK IN A CONTINUOUS MANNER TO COMPLETE THE WORK REQUIRED IN PHASE I, STEP 2 IN 48 CONSECUTIVE HOURS. SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES.

- STEP 2: - UNCOVER DETOUR AND ROAD CLOSURE SIGNS AND ROTATE TYPE III BARRICADES TO CLOSE SR 1367 AND REPLACE THE 60" DIAMETER PIPE AT -L- STA. 11+25+/-.
- REMOVE ALL SIGNING AND TYPE III BARRICADES AND RE-OPEN SR 1367 IN THE EXISTING PATTERN.

- STEP 3: - AWAY FROM TRAFFIC AND USING FLAGGING OPERATIONS PER ROADWAY STANDARD DRAWING NO. 1101.02 SHEET 1 OF 15 CONSTRUCT THE NEW BRIDGE AND ROADWAY APPROACHES UP TO THE EDGE AND ELEVATION OF EXISTING SR 1367 UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE. CONSTRUCT THE -DR1- TIE IN. SEE SHEET TMP-3 AND THE CONSTRUCTION PLANS.

PHASE II

- STEP 1: - USING FLAGGING OPERATIONS PER ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 1 OF 15 CONSTRUCT TIE INS TO EXISTING SR 1367 UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE. SEE TMP-4.
- STEP 2: - USING FLAGGING OPERATIONS PER ROADWAY STANDARD DRAWING NO. 1101.02 SHEET 1 OF 15 INSTALL TEMPORARY PAVEMENT MARKINGS AND MARKERS ON -L- THEN SHIFT TRAFFIC ONTO -L-. SEE SHEET TMP-4.
- STEP 3: - AWAY FROM TRAFFIC AND USING FLAGGING OPERATIONS PER ROADWAY STANDARD DRAWING 1101.02 SHEET 1 OF 15 REMOVE THE EXISTING BRIDGE AND ROADWAY AND CONSTRUCT -DR1- TIE INS. MAINTAIN TRAFFIC TO -DR1- AT ALL TIMES. SEE SHEET TMP-4.
- STEP 4: - USING FLAGGING OPERATIONS PER ROADWAY STANDARD DRAWING NO. 1101.02 SHEET 1 OF 15 INSTALL FINAL LAYER OF SURFACE COURSE AND FINAL PAVEMENT MARKINGS/MARKERS ON -L- AND OPEN TO THE FINAL TRAFFIC PATTERN.
- STEP 5: - REMOVE ALL TRAFFIC CONTROL DEVICES.

GENERAL NOTES

PROJ. REFERENCE NO.	SHEET NO.
B-5410	TMP-1B

CHANGES MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN THE DETAIL DRAWINGS, STANDARD DETAILS, AND ROADWAY DETAILS ARE NOT ATTAINABLE TO MEET FIELD CONDITIONS OR RESULT IN DUPLICATE OR UNDESIRED OVERLAPPING OF DEVICES. MODIFICATION MAY INCLUDE: MOVING, SUPPLEMENTING, COVERING, OR REMOVAL OF DEVICES AS DIRECTED BY THE ENGINEER.

THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT EXCEPT WHEN OTHERWISE NOTED IN THE PLAN OR DIRECTED BY THE ENGINEER.

LANE AND SHOULDER CLOSURE REQUIREMENTS

- A) REMOVE LANE CLOSURE DEVICES FROM THE LANE WHEN WORK IS NOT BEING PERFORMED BEHIND THE LANE CLOSURE OR WHEN A LANE CLOSURE IS NO LONGER NEEDED OR AS DIRECTED BY THE ENGINEER.
- B) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 15 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN SHOULDER USING ROADWAY STANDARD DRAWING NO. 1101.04 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL OR A LANE CLOSURE IS INSTALLED.
- C) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO AN UNDIVIDED FACILITY AND WITHIN 5 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.
- WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO A DIVIDED FACILITY AND WITHIN 10 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.
- D) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL OF AN UNDIVIDED OR DIVIDED FACILITY, CLOSE THE LANE ACCORDING TO THE TRAFFIC CONTROL PLANS, ROADWAY STANDARD DRAWINGS, OR AS DIRECTED BY THE ENGINEER. CONDUCT THE WORK SO THAT ALL PERSONNEL AND/OR EQUIPMENT REMAIN WITHIN THE CLOSED TRAVEL LANE.

PAVEMENT EDGE DROP OFF REQUIREMENTS

- E) BACKFILL AT A 6:1 SLOPE UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT IN AREAS ADJACENT TO AN OPENED TRAVEL LANE THAT HAS AN EDGE OF PAVEMENT DROP-OFF AS FOLLOWS:
- BACKFILL DROP-OFFS THAT EXCEED 2 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS OF 45 MPH OR GREATER.
- BACKFILL DROP-OFFS THAT EXCEED 3 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS LESS THAN 45 MPH.
- BACKFILL WITH SUITABLE COMPACTED MATERIAL, AS APPROVED BY THE ENGINEER, AT NO EXPENSE TO THE DEPARTMENT.

TRAFFIC PATTERN ALTERATIONS

- F) NOTIFY THE ENGINEER TWENTY ONE (21) CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION.

SIGNING

- G) INSTALL ADVANCE WORK ZONE WARNING SIGNS WHEN WORK IS WITHIN 40 FT FROM THE EDGE OF TRAVEL LANE AND NO MORE THAN THREE (3) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.
- H) INSTALL SIGNING AND DEVICES REQUIRED TO CLOSE THE ROAD ACCORDING TO THE ROADWAY STANDARD DRAWINGS AND TRAFFIC CONTROL PLANS.
- INSTALL SIGNING REQUIRED FOR THE OFF-SITE DETOUR ROUTE AS SHOWN IN THE TRAFFIC CONTROL PLANS.
- I) COVER OR REMOVE ALL SIGNS AND DEVICES REQUIRED TO CLOSE THE ROAD WHEN ROAD CLOSURE IS NOT IN OPERATION.
- COVER OR REMOVE ALL SIGNS REQUIRED FOR THE OFF-SITE DETOUR WHEN THE DETOUR IS NOT IN OPERATION.
- J) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.
- K) INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

TRAFFIC CONTROL DEVICES

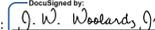
- L) WHEN LANE CLOSURES ARE NOT IN EFFECT SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER IN FEET THAN TWICE THE POSTED SPEED LIMIT (MPH) EXCEPT, 10 FT ON-CENTER IN RADII, AND 3 FT OFF THE EDGE OF AN OPEN TRAVELWAY. REFER TO STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES SECTIONS 1130 (DRUMS), 1135 (CONES) AND 1180 (SKINNY DRUMS) FOR ADDITIONAL REQUIREMENTS.
- M) PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.

PAVEMENT MARKINGS AND MARKERS

- N) INSTALL TEMPORARY PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKERS ON INTERIM LAYERS OF PAVEMENT AS FOLLOWS:

ROAD NAME	MARKING	MARKER
SR 1367 LITTLE SAVANNAH RD	PAINT	TEMPORARY RAISED

- O) PLACE ONE APPLICATION OF PAINT FOR TEMPORARY TRAFFIC PATTERNS. PLACE A SECOND APPLICATION OF PAINT SIX (6) MONTHS AFTER THE INITIAL APPLICATION AND EVERY SIX MONTHS AS DIRECTED BY THE ENGINEER.
- P) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- Q) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.

APPROVED: 
DocuSigned by:
J. W. Woolard Jr.
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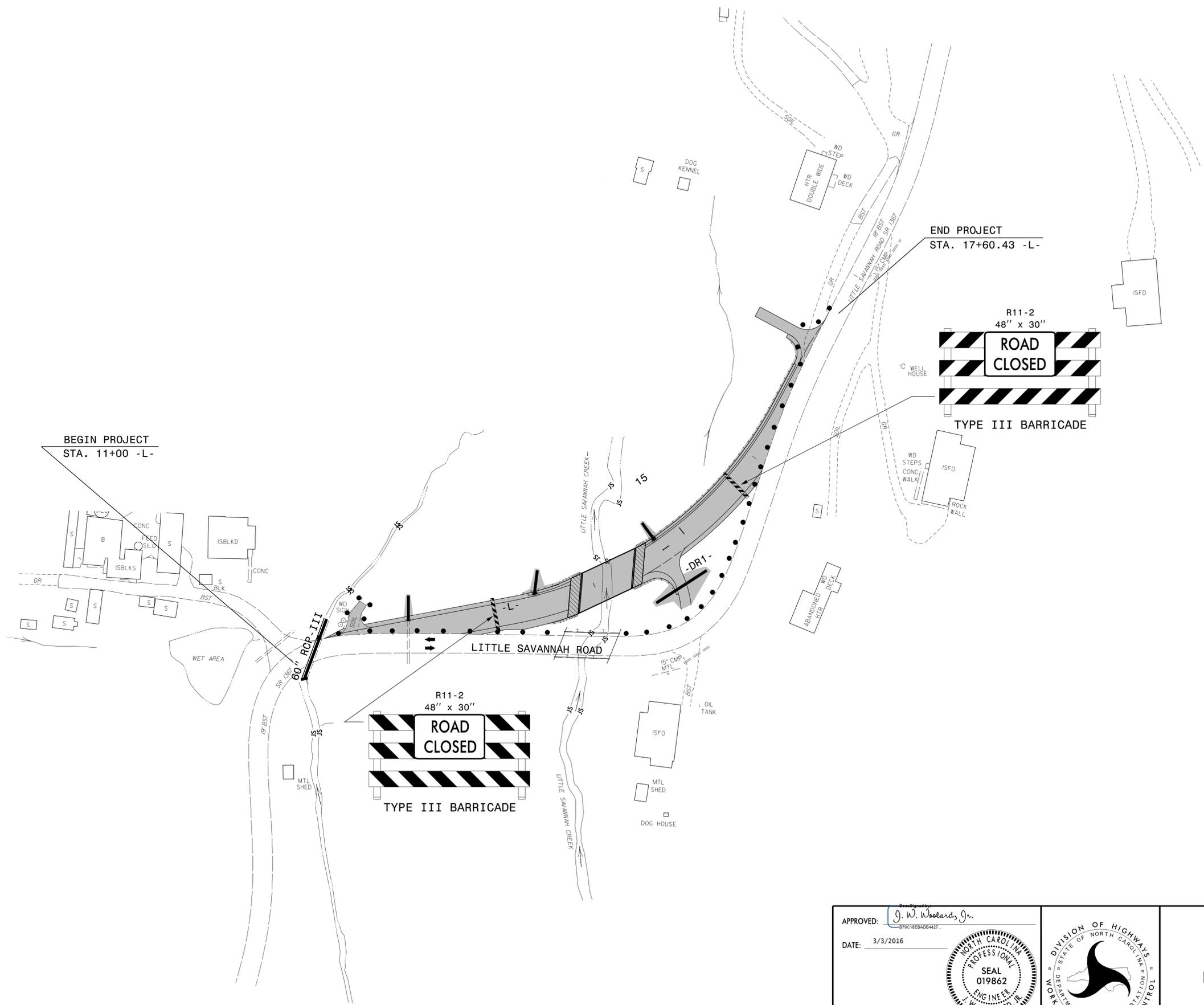
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**MANAGEMENT
STRATEGIES, PHASING
& GENERAL NOTES**



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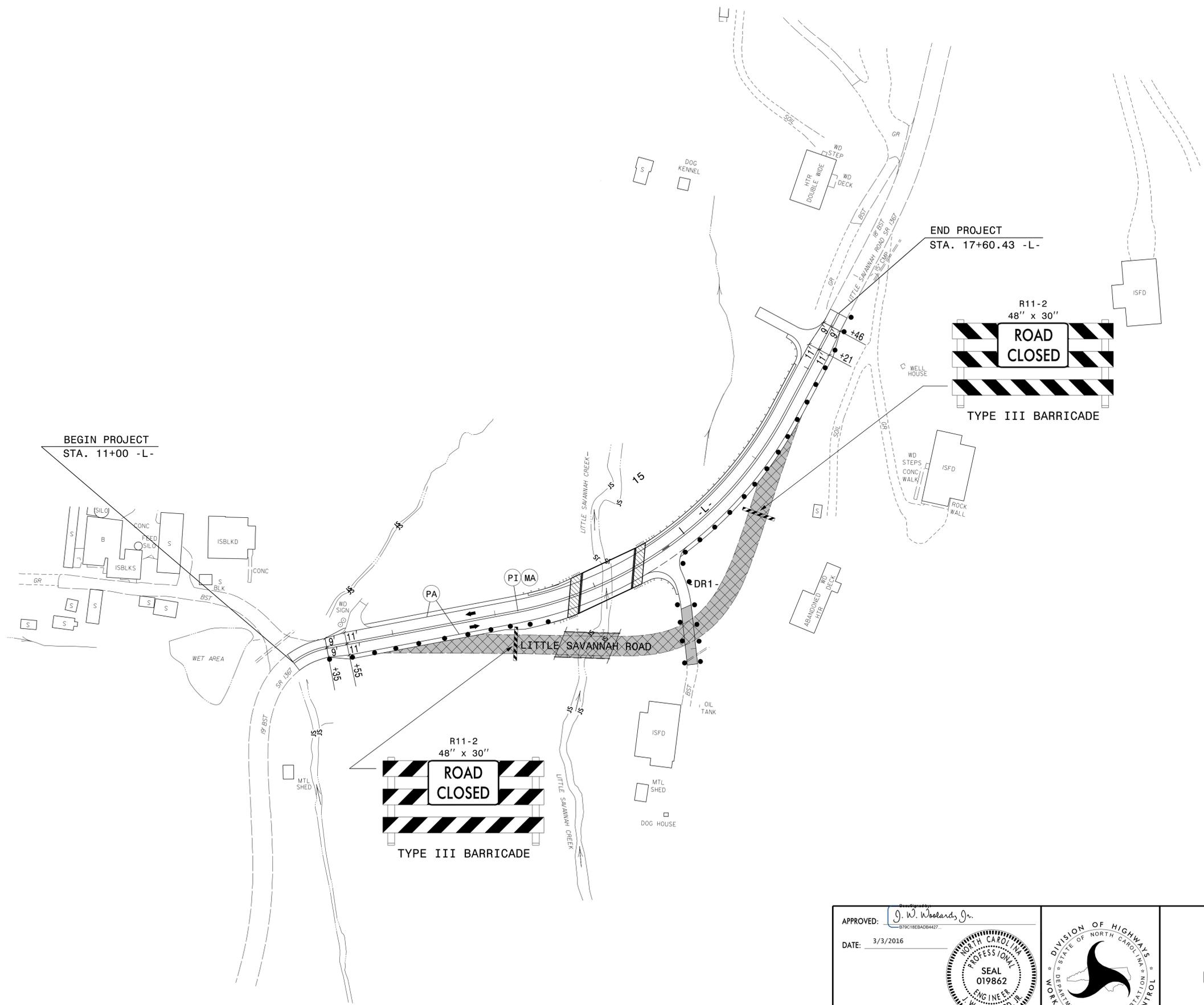
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PHASE I DETAILS



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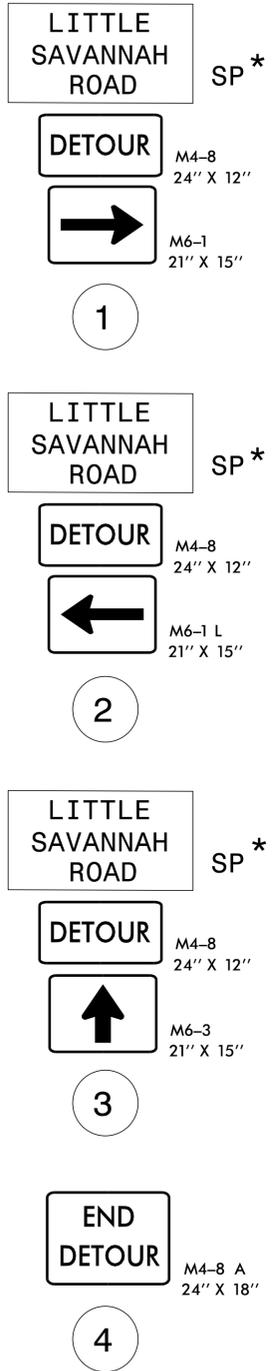
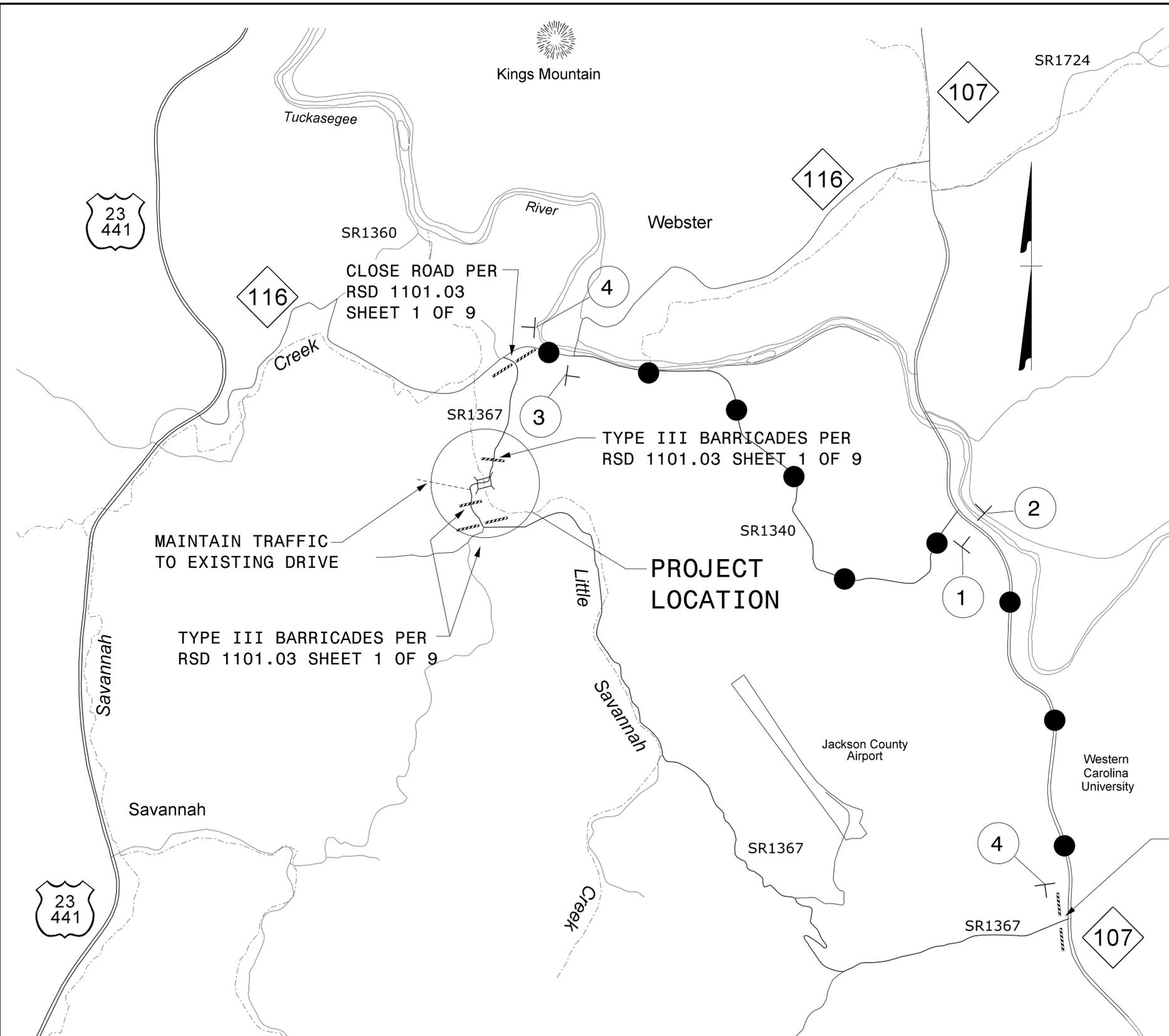
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PHASE II DETAILS



* — SEE SHEET TMP-2 FOR SPECIAL SIGN DESIGN



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OFF-SITE DETOUR PLAN

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